

# Work Order ID 58909

May 19, 2010 1:20:35 PM



Page 1

Item ID: D3186-3

Accept -



Setup Start



Revision ID:

Stop



Item Name: Spacepod Door, LH

Start Date: 5/19/10 Start Qty: 1.00



Cust Item ID:

Required Date: 6/18/10 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: CL Date: 10/5/19 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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D3186	Rev E
-------	-------

100

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

1-Drill holes and cut out latch slots per dwg D3186 (D3186-3 detail)

ET 10-09-07 Pto →

110

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

80609107

(X)

120

Identify as per dwg & Stock Location: Composites

0.00



Packaging

Memo

0.00

Packaging

ET 10-09-08

# Dart Aerospace Ltd

W/O: 58909		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/7/9	80	Trim to Fit →		10-09-07			
10/7/9	90	QIS inspect Fit →		10/09/07			

Part No: D3186-3 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Work Order ID 58909

May 19, 2010 1:20:35 PM



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Item ID: D3186-3

Accept



Setup Start



Revision ID:

Stop



Item Name: Spacepod Door, LH

Start Date: 5/19/10 Start Qty: 1.00



Cust Item ID:

Required Date: 6/18/10 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/09/09 *[Signature]*

ME

10-9-08

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

May 19, 2010 1:20:34 PM

Page 1

Work Order ID: 58909



Parent Item: D3186-3



Parent Item Name: Spacepod Door, LH

Start Date: 5/19/10

Required Date: 6/18/10

Comments: IPP Rev:A New Issue 07-01-11 EC  
IPP rev B rev D dwg 07.03.07 ec

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
D3186-1M		Manufactured	No				Each	0.0000	1			
										25	6-08-30	
SPACEPOD DOOR LH												

B58916

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

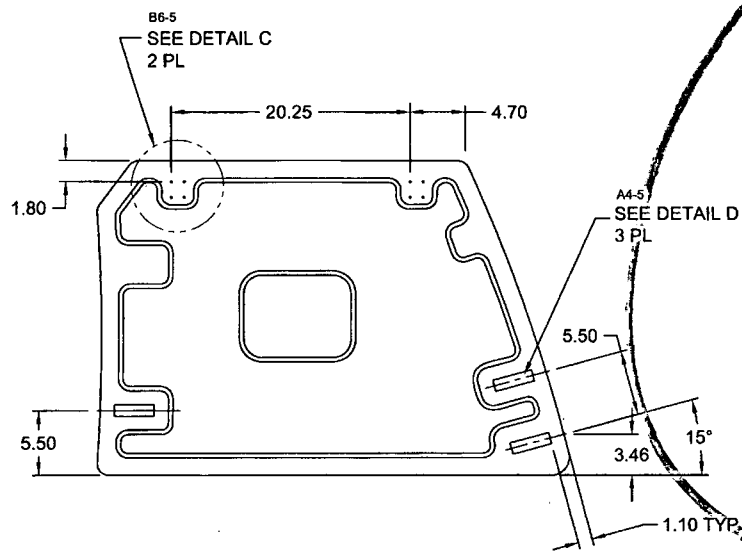
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

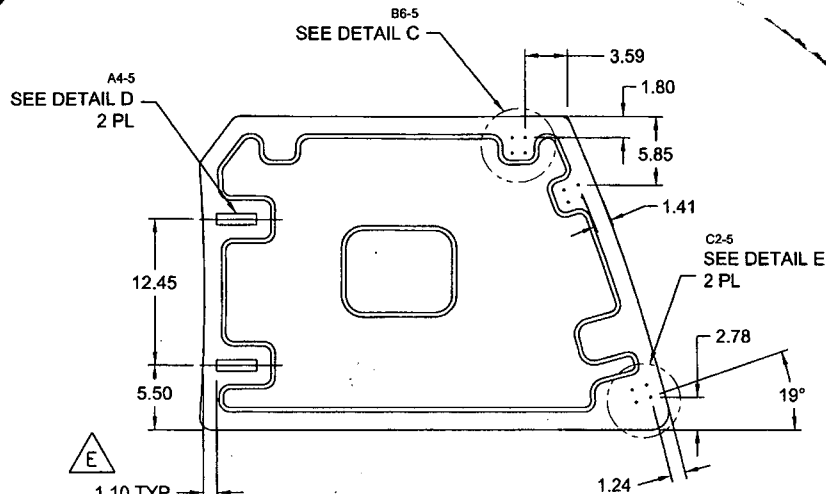
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

CH1015119  
W10:58909



**D3186-1 SPACEPOD DOOR, LH**  
MAKE FROM D3186-1M



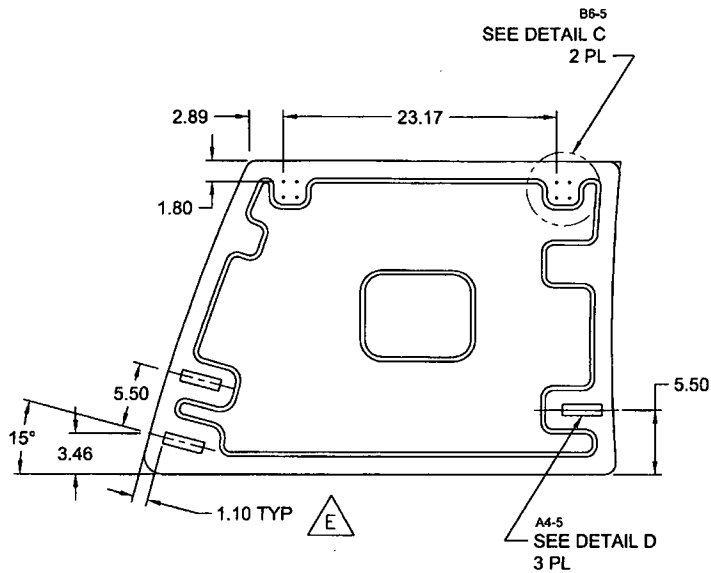
**D3186-3 SPACEPOD DOOR, LH**  
MAKE FROM D3186-1M

**RELEASED**  
2009-09-09

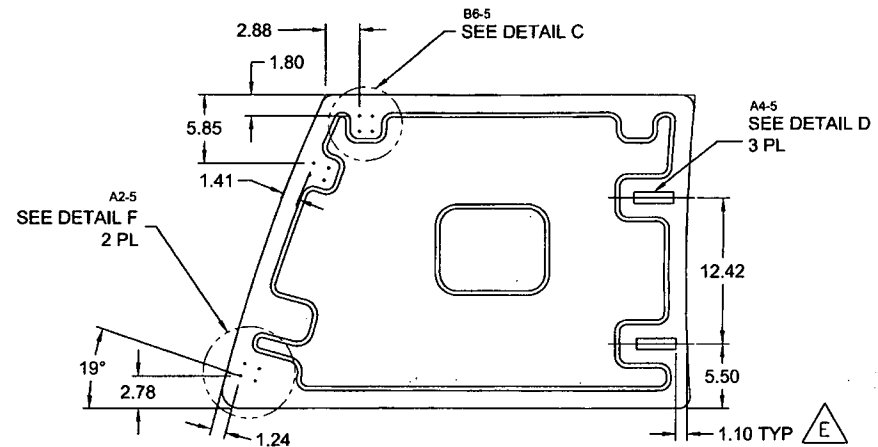
- NOTES:**  
1) MATERIAL: N/A  
2) FINISH: N/A  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: NONE  
7) WEIGHT: N/A

E	DRAWING UPDATED TO CURRENT STANDARDS. 1.10 WAS 0.98 (ZN B5-1, B4-1, B7-2, B1-2); R0.12 WAS 0.125 (ZN B5-S); REF PAR 09-026	RF	09.07.08
D	UPDATE DIMENSIONS	LE	07.02.22
C	REMOVED D0600-XXX LABELS	LE	06.12.13
B	DIMS UPDATED TO MATCH PRODUCT FOAM PATTERN UPDATED D3186-1M/-2M/-3/-4 ADDED	LE	06.09.25
A	NEW ISSUE	CP	03.03.27
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	IP	DRAWING NO.	REV. E
MFG. APPR.	AS	D3186	SHEET 1 OF 5
APPROVED	AS	TITLE	SCALE
DE APPR.	AS	SPACEPOD DOOR	NTS
DATE	09.07.08	COPYRIGHT © 2003 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W10.58909



**D3186-2 SPACEPOD DOOR, RH**  
MAKE FROM D3186-2M



**D3186-4 SPACEPOD DOOR, RH**  
MAKE FROM D3186-2M

**RELEASED**  
2009-09-09

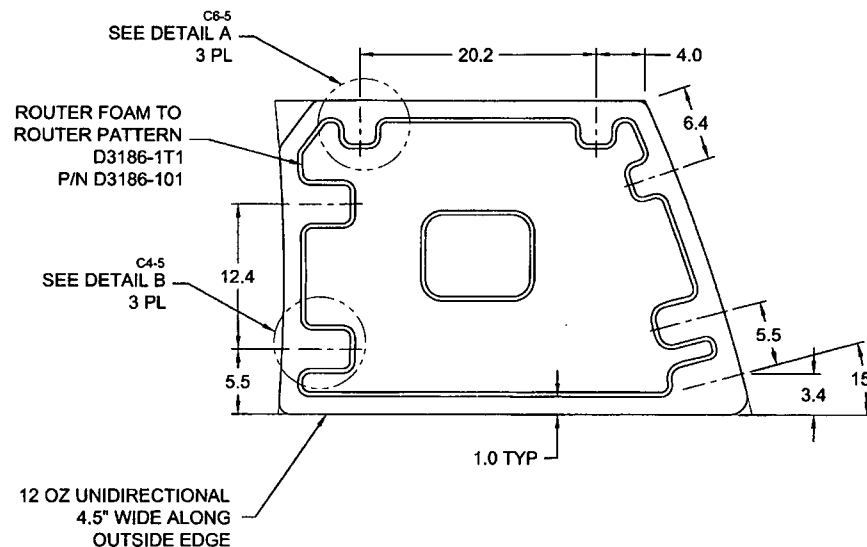
**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

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CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. E
MFG. APPR.	<i>[Signature]</i>	D3186	SHEET 2 OF 5
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DE APPR.	<i>[Signature]</i>	SPACEPOD DOOR	NTS
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W101 58909



**D3186-1M SPACEPOD DOOR AS MOLDED**

**NOTES:**

**1) MATERIAL:**

RESIN = EPOCAST 50-A/9816 OR DERAKANE 470-36/411/510A40  
 FOAM = 3/8", A500 CORE-CELL OR DIVINYCELL OR AIREX OR KLEGECELL  
 FIBRE = 9.7 OZ 7781 WEAVE "S" GLASS ("9 OZ SATIN")  
 12 OZ UNIDIRECTIONAL FIBERGLASS ("12 OZ UNIDIRECTIONAL")  
 LAMINATE PER DART QSI 006 4.0  
 LAMINATION SCHEDULE PER THIS DRAWING

**2) FINISH:** FINISH INSIDE/OUTSIDE WITH DUPONT HIGHBUILD GREY PRIMER 1144-S

**3) TOLERANCES:** PER DART QSI 018 UNLESS OTHERWISE NOTED

**4) UNITS:** INCHES UNLESS OTHERWISE NOTED

**5) BREAK SHARP EDGES:** 0.005 TO 0.010 MAX

**6) IDENTIFICATION:** NONE

**7) WEIGHT:** 7.0 lbs

**8) USE MOLD DT8005 FOR DOOR LAYUP**

**MAIN LAYUP**

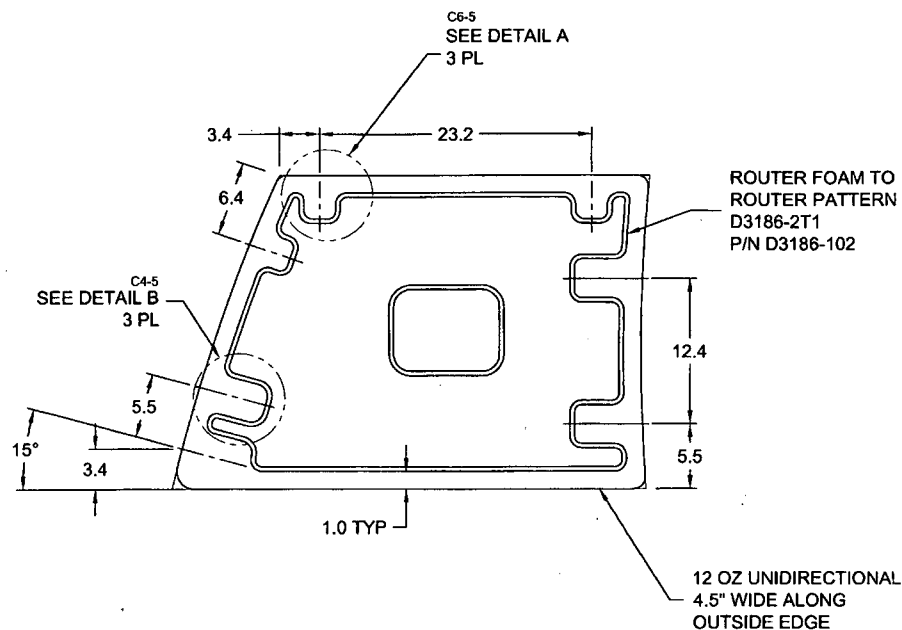
9 OZ SATIN (9 SQ FEET)  
 9 OZ SATIN (9 SQ FEET)  
 FOAM  
 9 OZ SATIN (9 SQ FEET)  
 12 OZ UNIDIRECTIONAL  
 9 OZ SATIN (9 SQ FEET)  
 RESIN (35-45% BY WEIGHT)  
 PEEL PLY

**RELEASED**  
 2009-08-08

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DE APPR.	TH	SPACEPOD DOOR	NTS
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9 OZ SATIN (9 SQ FEET)  
9 OZ SATIN (9 SQ FEET)  
FOAM  
9 OZ SATIN (9 SQ FEET)  
12 OZ UNIDIRECTIONAL  
9 OZ SATIN (9 SQ FEET)  
RESIN (35-45% BY WEIGHT)  
PEEL PLY

W/O: 58909



1) MATERIAL:

RESIN = EPOCAST 50-A/9816 OR DERAKANE 470-36/411/510A40  
FOAM = 3/8", A500 CORE-CELL OR DIVINYCELL OR AIREX OR KLEGECELL  
FIBRE = 9.7 OZ 7781 WARE "S" GLASS ("9 OZ SATIN")  
12 OZ UNIDIRECTIONAL FIBERGLASS ("12 OZ UNIDIRECTIONAL")  
LAMINATE PER DART QSI 006 4.0  
LAMINATION SCHEDULE PER THIS DRAWING

2) FINISH: FINISH INSIDE/OUTSIDE WITH DUPONT HIGHBUILD GREY PRIMER 1144-S

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: NONE

7) WEIGHT: 7.0 lbs

8) USE MOLD DT8006 FOR DOOR LAYUP

**D3186-2M SPACEPOD DOOR AS MOLDED**

RELEASE  
2009-08-09

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CHECKED	RP	DRAWING NO.	REV. #
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APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	SPACEPOD DOOR	NT
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